

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	138	(sens\$4 or trace or tracing or detect\$4 or monitor\$4 or determin\$4 or measur\$4) near7 (current or voltage or torque) with (pump or motor) with (foam or suds or bubble)	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2011/09/13 16:39
L2	63	(sens\$4 or trace or tracing or detect\$4 or monitor\$4 or determin\$4 or measur\$4) near7 (current or voltage or torque) with (pump or motor) with (foam or suds or bubble) and (speed or rpm or velocity) near5 (pump or motor)	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2011/09/13 16:40
L3	0	"2003019510"	US-PGPUB; USPAT; USOCR	OR	ON	2011/09/13 16:57
L4	1	"20030019510"	US-PGPUB; USPAT; USOCR	OR	ON	2011/09/13 16:57
L5	60	((tableware or pots or crockery or silverware or flatware or dish or kitchenware or cutlery or culinary or kitchen or utensil) near5 (wash\$4 or clean\$4 OR STERILIZ\$4 OR SANITIZ\$4 OR DISINFECT\$4 OR rins\$4)) or dishwasher) and (pump ) near10(foam or suds or bubble) same (speed or rpm or velocity)	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2011/09/13 16:59

L6	18	("20020117989"   "20060119310"   "20060132075"   "20060177204"   "20060179859"   "3027307"   "5779450"   "5859520"   "6014004"   "6462492"   "6642681"   "6832488"   "6925824"   "7023158"   "7095204"   "7102306"   "7143491"). PN. OR ("7595603"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/09/13 17:04
L7	3	("4347861"   "5755244"   "5779812").PN. OR ("7261111").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/09/13 17:06
L8	32	(US-20040173245-\$ or US-20030019510-\$ or US-20050005952-\$ or US-20030140947-\$ or US-20060005863-\$ or US-20020190687-\$).did. or (US-3810480-\$ or US-5709237-\$ or US-5755244-\$ or US-5762080-\$ or US-7472711-\$ or US-5909743-\$ or US-6103017-\$ or US-7146670-\$ or US-7241347-\$ or US-5313964-\$ or US-5330580-\$ or US-6623565-\$ or US-6182674-\$ or US-5470142-\$ or US-4097307-\$ or US-5284523-\$ or US-5408716-\$ or US-6605157-\$ or US-6830239-\$ or US-7595603-\$ or US-7261111-\$).did. or (US-3542594-\$ or US-3359766-\$).did. or (JP-05261057-\$).did. or (DE-2555052-\$ or JP-2005000511-\$).did.	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2011/09/13 17:32
L10	0	"I8" and (sens\$4 or trace or tracing or detect\$4 or monitor\$4 or determin\$4 or measur\$4) near7 (current or voltage or torque) with (pump or motor) with (foam or suds or bubble)	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2011/09/13 17:33

S1	24	((tableware or pots or crockery or silverware or flatware or dishes or kitchenware or cutlery or culinary or kitchen or utensil) near5 (wash\$4 or clean\$4 OR STERILIZ\$4 OR SANITIZ\$4 OR DISINFECT\$4 OR rins\$4)) or dishwasher) and sump and (pump near5 (circulat \$4 or recirculat\$4 or recycl \$4)) and (pump near5 (drain or outlet)) and (current near5 (sens\$4 or trace or tracing or detect \$4 or monitor\$4 or determin\$4 or measur\$4))	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 15:15
S2	20	((tableware or pots or crockery or silverware or flatware or dishes or kitchenware or cutlery or culinary or kitchen or utensil) near5 (wash\$4 or clean\$4 OR STERILIZ\$4 OR SANITIZ\$4 OR DISINFECT\$4 OR rins\$4)) or dishwasher) and sump and (pump near5 (circulat \$4 or recirculat\$4 or recycl \$4)) and (pump near5 (drain or outlet)) and (current near5 (sens\$4 or trace or tracing or detect \$4 or monitor\$4 or determin\$4 or measur\$4)) and filter and motor	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 15:15
S3	26	((tableware or pots or crockery or silverware or flatware or dishes or kitchenware or cutlery or culinary or kitchen or utensil) near5 (wash\$4 or clean\$4 OR STERILIZ\$4 OR SANITIZ\$4 OR DISINFECT\$4 OR rins\$4)) or dishwasher) and sump and (pump near5 (circulat \$4 or recirculat\$4 or recycl \$4)) and (pump near5 (drain or outlet or discharg \$4)) and (current near5 (sens\$4 or trace or tracing or detect\$4 or monitor\$4 or determin\$4 or measur	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 15:17

		\$4))				
S4	47	((((tableware or pots or crockery or silverware or flatware or dishes or kitchenware or cutlery or culinary or kitchen or utensil) near5 (wash\$4 or clean\$4 OR STERILIZ\$4 OR SANITIZ\$4 OR DISINFECT\$4 OR rins\$4)) or dishwasher) and sump and (pump near5 (circulat\$4 or recirculat\$4 or recycl\$4)) and (pump near5 (drain or outlet or discharge\$4)) and (current near5 (sens\$4 or trace or tracing or detect\$4 or monitor\$4 or determin\$4 or measur\$4 or control\$4))	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 15:20
S5	57	((((tableware or pots or crockery or silverware or flatware or dishes or kitchenware or cutlery or culinary or kitchen or utensil) near5 (wash\$4 or clean\$4 OR STERILIZ\$4 OR SANITIZ\$4 OR DISINFECT\$4 OR rins\$4)) or dishwasher) and sump and (pump near5 (circulat\$4 or recirculat\$4 or recycl\$4)) and (pump near5 (drain or outlet or discharge\$4)) and ((current or voltage) near5 (sens\$4 or trace or tracing or detect\$4 or monitor\$4 or determin\$4 or measur\$4 or control\$4))	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 15:25
S6	41	("3090391"   "3099992"   "3301188"   "3491780"   "3502090").PN. OR ("3810480").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 15:27
S7	11	S6 and (current or voltage)	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 15:28
S8	15	("3430861"   "3587939"   "3645453"   "3810480"   "4509687"   "4843218"   "5165433").PN. OR ("5709237").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 15:37

S9	35	("2668091"   "3017892"   "3139744"   "3288154"   "3430861"   "3587939"   "3645453"   "3810480"   "4509687"   "4843218"   "5165433").PN. OR ("5755244").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 15:40
S10	35	S8 or S9	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 15:40
S11	36	("2024952"   "2729219"   "3034519"   "3810480"   "4038103"   "4168715"   "4201345"   "4279384"   "4350306"   "4795102"   "4848382"   "4972861"   "5097855"   "5143306"   "5184635"   "5320120"   "5429679").PN. OR ("5762080").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 15:41
S12	67	S10 or S11	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 15:41
S13	20	("20020157995"   "2439535"   "2879026"   "3807419"   "3810480"   "4038103"   "4559959"   "5167248"   "5700329"   "5779812"   "5900070"   "5909743"   "6103017"   "6182674"   "6234184"   "6293289"   "6418943"   "6832617").PN. OR ("7472711").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 15:43
S15	33	("3457929"   "3807418"   "4319599"   "4392891"   "4477343"   "4559959"   "4673441"   "4972861"   "5010920"   "5097855"   "5165435"   "5320120"   "5401397"   "5429679"   "5601660"   "5779812").PN. OR ("5909743").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 15:45
S16	103	S15 or S12 or S13	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 15:45

S17	38	("2024952"   "2729219"   "3034519"   "3457929"   "3807418"   "3810480"   "4038103"   "4168715"   "4201345"   "4279384"   "4319599"   "4350306"   "4392891"   "5429679"   "5601660"   "5762080"   "5779812").PN. OR ("6103017").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 15:46
S18	108	S16 or S17	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 15:46
S19	30	S18 and (current or voltage)	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 15:48
S20	18	("20020066555"   "3623991"   "3903909"   "4011101"   "4086929"   "4209343"   "4509543"   "5458851"   "5462606"   "5545259"   "5558841"   "5670467"   "5681400"   "5820689"   "6103017"   "6109278"   "6403551").PN. OR ("6551414").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 15:51
S21	17	("4481786"   "4697230"   "4700148"   "4813248"   "4857814"   "5247231"   "5436825"   "5545259"   "5604387"   "5762080"   "5856736"   "5917690"   "6035235"   "6189171"   "6486616"   "RE37360").PN. OR ("7146670").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 15:53
S22	2	"20040173245"	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 15:59
S23	18	"4511312"	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 16:06
S24	0	"2003019510"	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 16:07
S25	1	"20030019510"	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 16:07
S26	14	"10186714"	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 16:08
S27	13	"6811617"	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 16:11
S28	15	"10186739"	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 16:11

S29	18	("4392891"   "4730630"   "5313964"   "5320120"   "5330580"   "5345957"   "5383486"   "5429679"   "5797409"   "5800628"   "5806541"   "5848601"   "5909743"   "5957144"   "6007640"   "6103017"   "6182674"   "6605157"). PN. OR ("7241347"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 16:13
S30	10	S29 and (current or voltage)	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 16:13
S31	33	("3359766"   "3478373"   "3508287"   "4097307"   "4481786"   "4697293"   "4741357"   "4835991"   "4950969"   "5161110"). PN. OR ("5330580"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 16:18
S32	25	("3359766"   "3478373"   "3508287"   "4097307"   "4697293"   "4741357"   "4835991"). PN. OR ("5313964"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 16:19
S33	38	S31 or S32	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 16:19
S34	24	("1887086"   "2865569"   "3587939"   "3645453"   "3810480"   "4843218"). PN. OR ("5470142"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 16:31
S35	1	("2005/0005952").URPN.	USPAT	OR	ON	2009/06/25 16:40
S36	1	"10598785"	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/21 17:08
S37	31220	(pump) with (torque or current or voltage) near7 (sens\$4 or trace or tracing or detect\$4 or monitor\$4 or determin\$4 or measur \$4 or control\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/21 17:26
S38	22493	(pump) near10 (torque or current or voltage) near3 (sens\$4 or trace or tracing or detect\$4 or monitor\$4 or determin\$4 or measur \$4 or control\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/21 17:27

S39	55	(pump) near10 (torque or current or voltage) near3 (sens\$4 or trace or tracing or detect\$4 or monitor\$4 or determin\$4 or measur\$4 or control\$4) with viscosity	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/21 17:33
S42	96	((tableware or pots or crockery or silverware or flatware or dishes or kitchenware or cutlery or culinary or kitchen or utensil) near5 (wash\$4 or clean\$4 OR STERILIZ\$4 OR SANITIZ\$4 OR DISINFECT\$4 OR rins\$4)) or dishwasher) and (pump near5 (circulat\$4 or recirculat\$4 or recycl\$4)) and ((current or voltage or torque) near5 (sens\$4 or trace or tracing or detect\$4 or monitor\$4 or determin\$4 or measur\$4 or control\$4)) with pump	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/22 16:54
S43	107	((wash\$4 or dry\$4 or laundry or fabric) near5 (appliance or machine or cloth\$4 or textile or garment or fabric)) and (pump near5 (circulat\$4 or recirculat\$4 or recycl\$4)) and ((current or voltage or torque) near5 (sens\$4 or trace or tracing or detect\$4 or monitor\$4 or determin\$4 or measur\$4 or control\$4)) with pump	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/22 16:55
S44	26	("20030196278"   "20040111807"   "20040118435"   "20060237052"   "20070102030"   "20070181154"   "20070272602"   "20080128000"   "20080128001"   "3807418"   "3888269"   "5603233"   "5729025"   "5797409"   "5800628"   "5803985"   "5806541"   "5957144"   "6007640"   "6182674"   "6432216"   "6887318"   "7086406"	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/23 08:54

		"7241347"   "7246396"   "7371288").PN.				
S45	3	uz-atilla\$.in. or dirill-orhan \$.in. or bayraktar-songul\$.in.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/23 09:02
S46	15	("20040173245"   "20050284507"   "4097307"   "5284523"   "5313964"   "5330580"   "5408716"   "5700329"   "5755244"   "5762080"   "5909743"   "6103017"   "6182674"   "6605157"   "6623565").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/23 09:09
S53	11	((tableware or pots or crockery or silverware or flatware or dishes or kitchenware or cutlery or culinary or kitchen or utensil) near5 (wash\$4 or clean\$4 OR STERILIZ\$4 OR SANITIZ\$4 OR DISINFECT\$4 OR rins\$4)) or dishwasher) and (pump near5 (circulat\$4 or recirculat\$4 or recycl\$4)) and ((current or voltage or torque) near5 (sens\$4 or trace or tracing or detect\$4 or monitor\$4 or determin\$4 or measur\$4 or control\$4)) with pump	EPO; JPO; DERWENT	OR	ON	2010/09/23 09:37
S54	5	((wash\$4 or dry\$4 or laundry or fabric) near5 (appliance or machine or cloth\$4 or textile or garment or fabric)) and (pump near5 (circulat\$4 or recirculat\$4 or recycl\$4)) and ((current or voltage or torque) near5 (sens\$4 or trace or tracing or detect\$4 or monitor\$4 or determin\$4 or measur\$4 or control\$4)) with pump	EPO; JPO; DERWENT	OR	ON	2010/09/23 09:37
S55	1	"20030195510"	EPO; JPO; DERWENT	OR	ON	2010/09/23 09:50
S56	1	"20030195510"	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/23 09:50
S58	1	"20030019510"	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/23 09:50

S59	26	(US-20040173245-\$ or US-20030019510-\$ or US-20050005952-\$ or US-20030140947-\$).did. or (US-3810480-\$ or US-5709237-\$ or US-5755244-\$ or US-5762080-\$ or US-7472711-\$ or US-5909743-\$ or US-6103017-\$ or US-7146670-\$ or US-7241347-\$ or US-5313964-\$ or US-5330580-\$ or US-6623565-\$ or US-6182674-\$ or US-5470142-\$ or US-4097307-\$ or US-5284523-\$ or US-5408716-\$ or US-6605157-\$).did. or (US-3542594-\$ or US-3359766-\$).did. or (JP-05261057-\$).did. or (DE-2555052-\$).did.	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2010/09/23 11:05
S60	4	S59 and (dirty or viscosity or soil) same (pump or motor) near5 (current or voltage or torque)	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2010/09/23 11:05
S61	4	S59 and (dirt\$4 or viscosity or soil\$4) same (pump or motor) near5 (current or voltage or torque)	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2010/09/23 11:06
S62	4	S59 and (dirt\$4 or viscosity or soil\$4 or particle or debris) same (pump or motor) near5 (current or voltage or torque)	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2010/09/23 11:06
S63	13	("134".clas. or "68".clas. or 8/158,159.ccls.) and (sens\$4 or trace or tracing or detect\$4 or monitor\$4 or determin\$4 or measur\$4) near7 (dirt\$4 or viscosity or soil\$4 or particle or debris) same (pump or motor) near7 (current or voltage or torque)	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2010/09/23 11:08

S64	338	(sens\$4 or trace or tracing or detect\$4 or monitor\$4 or determin\$4 or measur \$4) near4 (dirt\$4 or viscosity or soil\$4 or particle or debris) with (pump or motor) near4 (current or voltage or torque)	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2010/09/23 11:31
S65	22	("134".clas. or "68".clas. or 8/158,159.ccls.) and (sens\$4 or trace or tracing or detect\$4 or monitor\$4 or determin\$4 or measur \$4) near7 (current or voltage or torque) near20 (pump or motor) same (foam or suds or bubble)	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2010/09/23 12:00
S66	57	(sens\$4 or trace or tracing or detect\$4 or monitor\$4 or determin\$4 or measur \$4) near7 (current or voltage or torque) near4 (pump or motor) with (foam or suds or bubble)	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2010/09/23 12:04
S67	123	(sens\$4 or trace or tracing or detect\$4 or monitor\$4 or determin\$4 or measur \$4) near7 (current or voltage or torque) with (pump or motor) with (foam or suds or bubble)	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2010/09/23 12:11
S69	1564	134/111.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/23 20:14
S71	18	"4511312"	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/23 20:18
S72	6	"5340282"	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/23 20:18

9/13/2011 6:12:35 PM

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